

CMS

Relative uncertainty

- Statistical
- Shower and hadronization
- FSR and ISR scale
- b jet fraction model dependence
- b tagging efficiency
- Response matrix stat.
- Jet energy resolution
- Jet energy scale
- Tracking efficiency
- Light and charm misid. rate

anti- k_T , $R = 0.4$ b jets $100 < p_T^{\text{jet}} < 120$ GeV/c, $|\eta^{\text{jet}}| < 2$

Soft drop (charged particles)

 $z_{\text{cut}} = 0.1$, $\beta = 0$, $k_T > 1$ GeV/c

0

0.2

0.4

0.6

0.8

1

1.2

1.4

1.6

1.8

2

 $\ln(R/R_g)$

0.4

0.3

0.2

0.1

0.09

0.08

0.07

0.06

0.05

 R_g 